

## CLAIMS

I claim:

1           1.    A kit for installing an air-conditioner coil access  
2 door, comprising:

3           a template adapted for attachment to an air conditioner coil  
4 housing between an air filter and an evaporator coil, the  
5 template defining an opening dimensioned and configured for  
6 receiving a vacuum cleaner nozzle passed therethrough;

7           an access door having a hinge attached thereto, the hinge  
8 being attachable to the template; and

9           means for attaching the template to the air conditioning  
10 coil housing;

11          wherein the opening defined by the template is adapted for  
12 use as a cutting guide in order to form an access opening in the  
13 air conditioner coil housing, the access door pivoting between an  
14 open position providing access to the evaporator coil and a  
15 closed position covering the template.

1           2.    The kit according to claim 1, wherein said template and  
2 said hinged access door are each substantially flat, having three  
3 outer edges substantially forming a triangle.

1           3.    The kit according to claim 2, wherein the opening  
2 defined by said template is substantially triangular in shape.

1           4.    The kit according to claim 2, wherein said template and  
2 said hinged access door each define an isosceles triangle having

3 one side dimensioned about eight inches in length and two sides  
4 about five and three quarter inches in length.

1 5. The kit according to claim 1, wherein said means for  
2 attaching said template to the air conditioning coil housing  
3 comprises double-sided adhesive tape.

1 6. The kit according to claim 1, further comprising double  
2 sided adhesive tape attaching the hinge to said template.

1 7. The kit according to claim 1, wherein said access door  
2 and said template are made from plastic.

1 8. The kit according to claim 1, wherein said access door  
2 and said hinge are formed as an integral unit.

1           9. A method for providing access to an evaporator coil of  
2 an air conditioner, comprising the steps of:

3           attaching a template defining an opening to an air  
4 conditioner coil housing between an air filter and the evaporator  
5 coil

6           cutting a hole in the air conditioner coil housing, using  
7 the opening defined by the template as a guide;

8           attaching a hinge portion of a hinged access door to the  
9 template.

1           10. The method for providing access to an evaporator coil  
2 according to claim 9, wherein said step of attaching the template  
3 further comprises the steps of:

4           attaching double sided adhesive tape to the air conditioner  
5 coil housing; and

6           attaching the template to the double-sided adhesive tape.

1           11. The method for providing access to an evaporator coil  
2 according to claim 9, wherein the step of attaching the hinged  
3 access door further comprises the steps of:

4           attaching double sided adhesive tape to the template; and

5           attaching the hinged access door to the double-sided  
6 adhesive tape.

1           12. An air conditioner coil housing, comprising:

2           a tubular housing having an air intake end and an air outlet  
3 end, the housing being adapted for having an air filter mounted

4 at the intake end, the housing having an access opening defined  
5 therein;

6 an evaporator coil mounted within the housing between the  
7 intake end and the outlet end, the access opening being  
8 dimensioned and configured for insertion of a vacuum cleaner  
9 nozzle therethrough for cleaning the evaporator coil;

10 an access door dimensioned to cover the access opening; and

11 a hinge pivotally attaching the door to the housing, the  
12 access door pivoting between an open position providing access to  
13 the evaporator coil through the access opening, and a closed  
14 position covering the access opening.

1 13. The air conditioner coil housing according to claim 12,  
2 further comprising a template attached to the housing beneath the  
3 hinge and access door, the template defining a guide hole equal  
4 in dimension to the access opening.